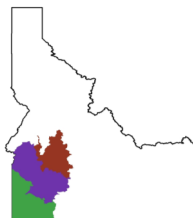


FIRE DANGER POCKET CARD

Boise Dispatch Center

<http://fam.nwcg.gov/fam-web/pocketcards/>



Developed & Approved by:
ID-BOF. ID-SWS. ID-BOD.
March 2010

FIRE DANGER FACTS

ENERGY RELEASE COMPONENT

- ERC is calculated from the 1300 RAWS daily observation of temperature, humidity, daily temperature & RH ranges, and precipitation.
- ERC can serve as a good characterization of a fire season as it tracks seasonal fire danger trends.
- ERC has low variability and is the best fire danger component for indicating effects of intermediate to long-term drying on fire behavior.

- Wind is **NOT** part of the ERC calculation.

BURNING INDEX

- BI gives day to day fluctuations calculated from the 1200 RAWS daily observation of temperature, wind, RH, daily temperature & RH ranges, and precipitation duration.
- Wind has a major influence on BI.
- BI is an estimate of the potential difficulty of fire control as a function of how fast and how hot a fire could burn.
- Divide BI by 10 gives an estimate of the flame length.

DISPATCH LEVELS	BOISE MTNS ERC	SNRVR / FTHLS BI	OWYHEE BI
HIGH Potential for high to extreme intensity. Expect high rates of spread, flame length, and control difficulty. Spot fires are a constant danger.	40+	40+	61+
MODERATE Fires in open cured grasslands will burn briskly and spread rapidly on windy days. Timber fires spread slowly to moderately fast. Short distance spotting may occur.	23-39	26-39	39-60
LOW Containment problems not expected. Fires tend to spread slowly by creeping and smoldering, and burn in irregular fingers.	0-22	0-25	0-38

LOCAL THRESHOLDS Any of these factors significantly increase the potential for extreme fire behavior.

	BOISE MOUNTAINS	SNAKE RIVER/FOOTHILLS	OWYHEE CANYONLANDS
20 FT WIND SPEED (mph)	>5	>7	>8
RH (%)	<25	<20	<15
TEMPERATURE (°F)	>80	>85	>84
FACTOR	ERC >39	BI >39	BI >57

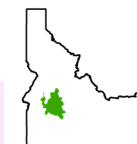
PAST FIRE EXPERIENCE

DATE	FIRE NAME	FDRA	SIZE	BI	ERC	TEMP	RH	WIND
9/3/07	CHIEF PARRISH	BOISE MTNS	3736	—	49	86	15	3
7/17/07	MONUMENTAL	BOISE MTNS	194,496	—	47	89	25	9
8/20/06	RATTLESNAKE	BOISE MTNS	43,600	—	48	86	15	3
7/18/07	GEM COUNTY	SNRVR/FTHLS	3962	57	—	104	7	12
08/10/06	CHERRY	SNRVR/FTHLS	54,350	51	—	93	13	10
8/26/96	8TH STREET	SNRVR/FTHLS	15,300	42	—	100	16	6
7/6/07	CRUTHCHER CROSSING	OWYHEE	38,124	71	—	102	4	8
8/21/06	CHUBBY SPAIN	OWYHEE	6074	79	—	91	9	5

BOISE MOUNTAINS FIRE DANGER RATING AREA

MAXIMUM. AVERAGE. 80th PERCENTILE. Data Years: 1987-2009

FUEL MODEL H—Short Needled Conifer

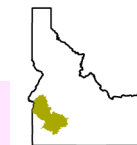
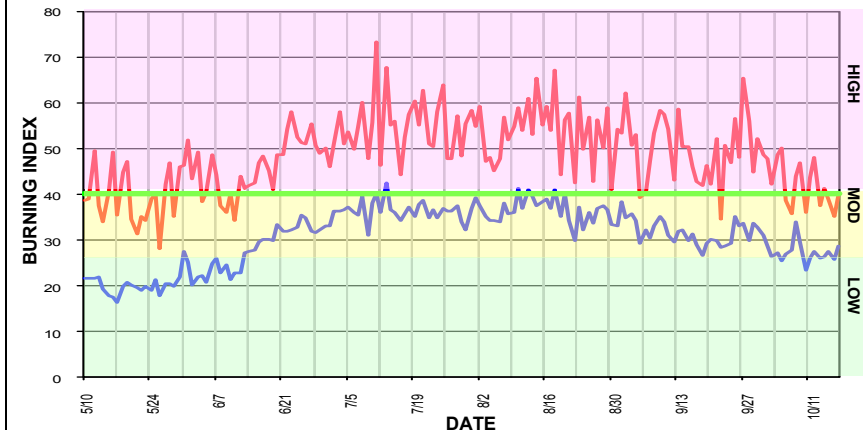


Fire Wx Zones: 403, 404
Wx STATIONS (SIG):
Weiser River, Ski Hill,
Pine Creek, Town Creek.
(Meets NWCG Wx Station Standards)

SNAKE RIVER / FOOTHILLS FIRE DANGER RATING AREA

MAXIMUM. AVERAGE. 80th PERCENTILE. Data Years: 1996-2009

FUEL MODEL A—Western Annual Grasses

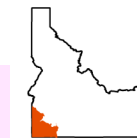
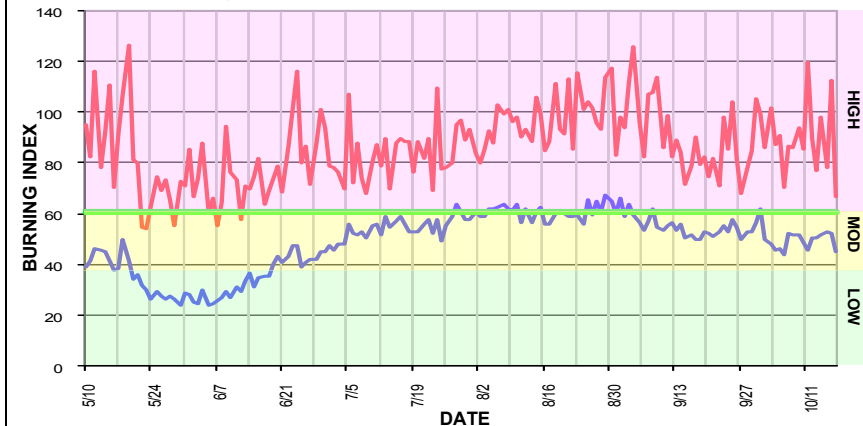


Fire Wx Zones: 404, 408
Wx STATIONS (SIG):
Mountain Home, Horse Butte,
Dead Indian Ridge.
(Meets NWCG Wx Station Standards)

OWYHEE CANYONLANDS FIRE DANGER RATING AREA

MAXIMUM. AVERAGE. 70th PERCENTILE. Data Years: 1990-2009

FUEL MODEL T—Sagebrush, Grass



Fire Wx Zones: 418, 419
Wx STATIONS (SIG):
Owyhee Ridge, Brace Flat,
Triangle, Pole Creek.
(Meets NWCG Wx Station Standards)